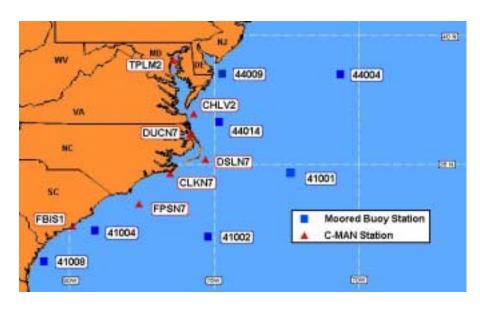
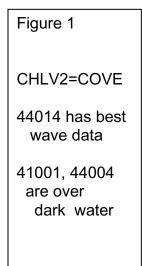
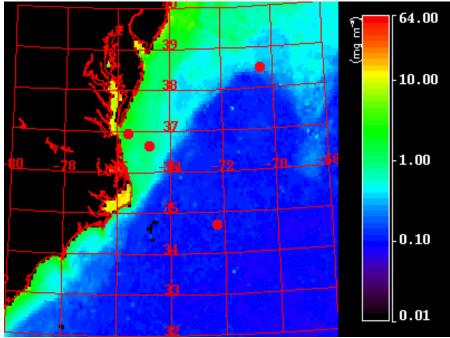
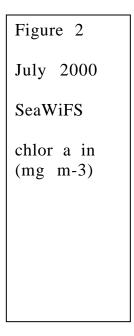
## Estimating Chlorophyll Concentration over Buoys with SeaWiFS Data

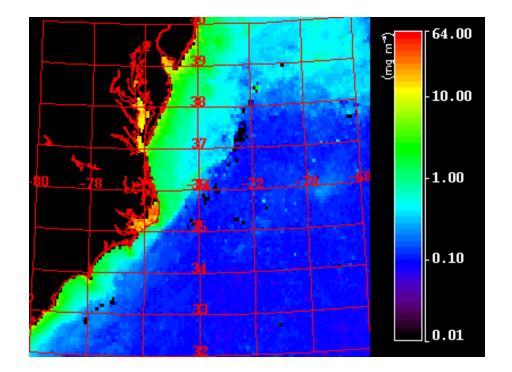
The open ocean is characterized by a chlorophyll concentration of roughly 0.3 mg m-3. While the "Satellite Images" section of the CLAMS URL has a link to "SeaWiFS" images of chlorophyll concentration, we may target a distant buoy that is not in the spatial domain of the SeaWiFS maps in that section. Figure 1 shows a buoy map. Figure 2 and Figure 3 (from Zhonghai Jin) show the chlorophyll a for July 2000 and August 2000 (last year). Figure 4 (from Wenying Su) has 8 day global coverage for 06-25-01 to 07-04-01 (this year) at coarse resolution.

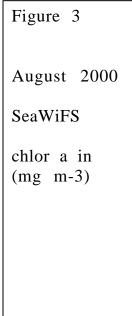












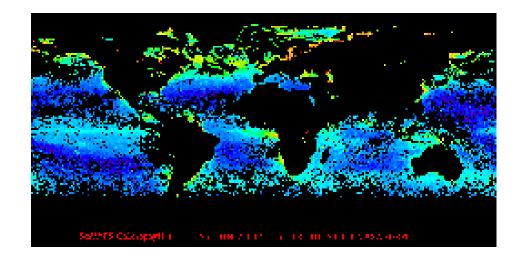


Figure 4

06-25-01 to 07-04-01

SeaWiFS

chlor a in (mg m-3)

Background information on the need for sea optics measurements is given in the memo "NeedBlueSeaBRDF.pdf", which is found in the "Aircraft & Instruments" section ("CONVAIR 580" subsection) of the CLAMS URL.

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